

# DARPA *Grand Challenge*

## CASH PRIZE



## Entry Procedures & Timelines

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*Los Angeles to Las Vegas*  
[www.darpa.mil/GrandChallenge](http://www.darpa.mil/GrandChallenge)

# Timeline



1 April 2003

- Applications Open: Forms and information posted at [www.DARPA.mil/GrandChallenge](http://www.DARPA.mil/GrandChallenge)

13 October 2003

- Deadline for applications and technical paper

8-12 March 2004

- DARPA Tech Convention

12 March 2004

- Qualification Inspection & Demonstration

13 March 2004

- Grand Challenge Main Event



# Application



- Team Name
- Team Leader and Organizational Information
- Sponsors
- Insurance Information
- Agreements
  - Release US Government from liability
  - Agree to comply with all rules

# Technical Paper - Overview



- Papers will be used by DARPA to ensure:
  - Compliance with all Grand Challenge rules
  - Feasibility of proposed design
  - Safety
- Papers not initially accepted may be modified and resubmitted before 13 October 2003
- Papers will be made available to the public after the completion of the Grand Challenge

# Technical Paper - Content



- System Description
  - Mobility
  - Power
  - Processing
  - Sensing
  - Communications
- Performance
  - Past performance
  - Planned tests

# Technical Paper - Content



- Safety and Environmental Impact
  - Top Speed
  - Size and Weight
  - Electromagnetic Radiators
    - Describe all lasers, radars, etc.
  - Safety Equipment
  - E-Stop
  - Safety Vehicle
    - Show compliance with SCORE International safety standards

# Application Addendum



- Additional request for information will be sent to team leaders as the event approaches
- Examples:
  - Updated team rosters
  - Updated sponsorship information
  - Team logo
  - Vehicle and team photographs

# Qualification and Inspection



- March 12, 2004 at the California Motor Speedway
- Challenge and Safety Vehicles will be inspected to ensure:
  - Compliance with all Grand Challenge rules and regulations
  - Compliance with design proposed in the technical paper
- Vehicles will be required to perform demonstration
  - Short course within the speedway
    - Defined by waypoints and boundaries
  - Terrain and obstacles will be significantly less challenging than those on the Challenge Route
  - Mandatory demonstration of the E-Stop